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Optimal Spectral Decomposition (OSD) for Analysis of GTSPP/Argo Data

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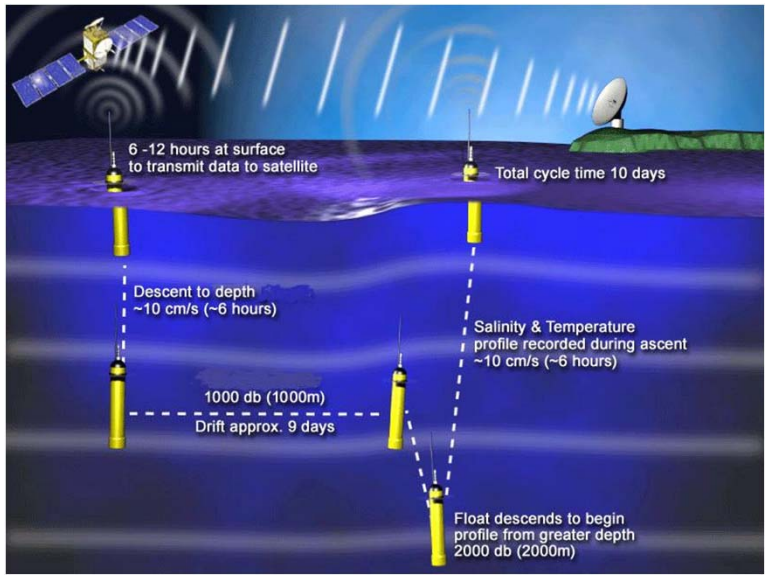

Brief Description

Development of high efficient OSD method to process sparse and noisy ocean observational data.

NPS Thesis

Rana, H., "Spatial and Temporal Variability of the Indian Ocean Surface Currents Determined from Satellite Data with Application to Naval Operations", MS in PO, June 2008

Selected Publications

Chu, P.C., 2011: Global upper ocean heat content and climate variability. *Ocean Dynamics*, in press (paper download).

Chu, P. C., 2008: Probability distribution function of the upper equatorial Pacific current speeds. *Geophysical Research Letters*, **35**, doi:10.1029/2008GL033669 (paper download).

Chu, P.C., L.M. Ivanov, O.V. Melnichenko, and N.C. Wells, 2007: Long baroclinic Rossby waves in the tropical North Atlantic observed from profiling floats. *Journal of Geophysical Research*, American Geophysical Union, **112**, C05032, doi:10.1029/2006JC003698 (paper download).

Chu, P.C., L.M. Ivanov, and T.M. Margolina, 2007: On nonlinear sensitivity of marine biological models to parameter variation. *Ecological Modelling*, **206** (3-4), 369-382, doi:10.1016/j.ecolmodel.2007.04.006 (paper download).